

[Name of Document] ABSTRACT

[Abstract]

[Objectives]

5       The crosslinking agents and condensing agents that have been employed in biological adhesives and in treating medical devices such as cardiac valves are non-natural compounds synthesized artificially. Thus, they are not metabolized in vivo and exhibit toxicity to living bodies.

10   These compounds are thus used only in a restricted amount and for limited purposes in the clinical sites.

[Structure]

      The present invention provides a biological low-molecular-weight derivative obtained by modifying carboxyl groups of a  
15   biological low-molecular-weight compound with N-hydroxysuccinimide, N-hydroxysulfosuccinimide, or a derivative thereof and a crosslinked high-molecular-weight product obtained by crosslinking various high-molecular-weight compounds with this derivative.

20   [Elected Drawing] Fig. 1